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(71) Applicant (for all designated States except US): ZODIAC AUTOMOTIVE US INC. [US/US]; 1850 West Drake Drive, Tempe, AZ 85283-4303 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SHILLIDAY, David [US/US]; 1717 E. Union Hills #2034, Phoenix, AZ 85024 (US). SCAVEN, Gregory, J. [US/US]; 2037 E. Hermosa Vista Drive, Mesa, AZ 85213 (US). FITZGERALD, Kevin [US/US]; 6604 E. Regina Street, Mesa, AZ 85204 (US).

(74) Agent: PRATT, John, S.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-4530 (US).

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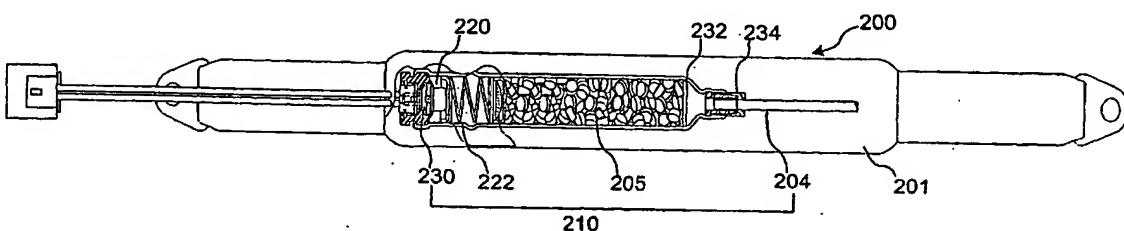
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(54) Title: DISTRIBUTED CHARGE INFLATOR SYSTEM



(57) Abstract: An inflatable system includes an inflatable component and a distributed charge inflator disposed in the inflatable component. The distributed charge inflator includes a first charge for generating inflating gas and a housing body connected to the first charge. The housing body includes an initiator and a second charge that has relatively long burn time. Upon receiving a signal from a sensor, the initiator ignites the first charge and the second charge simultaneously. The first charge inflates the inflatable component and the second charge sustains the inflation of the inflatable component.

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